

AMENDMENTS TO THE CLAIMS

Claims 1-192 (canceled)

Claim 193. (previously presented) A multiple axes controller, comprising:
at least twelve sensors sensing inputs to the controller from a human user, the twelve sensors providing outputs at least in part controlling three-dimensional imagery shown by an electronic display;

a tactile feedback motor mounted to a hand held housing of the controller, said feedback motor providing vibration to the human user to simulate a physical occurrence related to the imagery;

a single first button positioned on the controller is depressible by a finger of the human user to actuate

a first sensor of said sensors and

a second sensor of said sensors;

said first sensor is a proportional sensor,

said second sensor is a switch capable of indicating an On state when actuated;

a single second button positioned on the controller is depressible by a finger of the human user to actuate

a third sensor of said sensors and

a fourth sensor of said sensors;

said third sensor is a proportional sensor,

said fourth sensor is a switch capable of indicating an On state when actuated;

a two-axes member supported on said controller, said two-axes member positioned to activate

four sensors, the four sensors comprising:

a fifth sensor and a sixth sensor for sensing movement of said member about the first axis;

a seventh sensor and an eighth sensor for sensing movement of said member about the second axis.

Claim 194. (previously presented) A multiple axes controller according to claim 193 wherein actuation of at least one of the first and second sensors activates a turn-on tactile feedback.

Claims 195-220 (canceled)

Claim 221. (previously presented) A three-dimensional imagery controller, comprising:

at least twelve sensors sensing inputs by a human and outputting electrical outputs, the sensor outputs controlling at least in part the three dimensional imagery;

active tactile feedback structure providing vibration to be felt by a hand of the human holding said controller;

a pivotally mounted first button positioned on the controller is depressible by a finger of the human, said first button positioned to variably actuate

a first proportional sensor of the at least twelve sensors, the first proportional sensor outputting a first proportional output, the first proportional output variably controlling the three-dimensional imagery;

a pivotally mounted second button positioned on the controller is depressible by a finger of the human, said second button positioned to variably actuate

a second proportional sensor of the at least twelve sensors, the second proportional sensor outputting a second proportional output, the second proportional output variably controlling the three-dimensional imagery;

a rotating stick member, said rotating stick member positioned to actuate a plurality of the twelve sensors.

Claims 222-230 (cancelled)

Claim 231. (new) An image generation device and an associated hand-held image controller, comprising:

an image generation device, the image generation device creating imagery capable of being displayed by a television;

a hand-held image controller communicates with the image generation device, the hand-held image controller comprising:

at least twelve sensors are positioned within the controller, the at least twelve sensors sensing inputs by a human and controlling imagery creation of the image generation device;

an active tactile feedback structure is combined with the controller, the active tactile feedback structure vibrating to be felt by at least one hand of the human holding the controller;

a first button positioned on the controller is depressible by a finger of the human, the first button is positioned to variably actuate

a first proportional sensor of the at least twelve sensors, the first proportional sensor variably controlling the imagery creation of the image generation device;

a second button positioned on the controller is depressible by a finger of the human, the second button is positioned to variably actuate

a second proportional sensor of the at least twelve sensors, the second proportional sensor variably controlling the imagery creation of the image generation device;

a stick member is combined with the controller, the stick member structured to actuate at least one of the at least twelve sensors.

Claim 232. (new) An image generation device and an associated hand-held image controller according to claim 231, wherein the image generation device and the controller are built at least for a game and variable movement of the stick member on two axes variably controls the image creation of the image generation device.

Claim 233. (new) A process of controlling three-dimensional imagery and providing feedback, the process comprising:

receiving at least twelve signals representing at least twelve sensors,
utilizing the at least twelve signals to control the three-dimensional imagery;

sending a feedback signal causing active tactile feedback structure to provide vibration to be felt by at least one hand of a human user;

receiving a first button signal, the first button signal representing a first proportional sensor activated by depression of a first button by a human finger of the human user,

utilizing the first button signal to control, at least in part, the three-dimensional imagery;

receiving a second button signal, the second button signal representing a second proportional sensor activated by depression of a second button by a human finger of the human user,

utilizing the second button signal to control, at least in part, the three-dimensional imagery;

receiving at least two signals, the at least two signals representing at least two sensors activated by a stick moved on two axes by the human user,

utilizing the at least two signals to control, at least in part, the three dimensional imagery.